

NWS Form E-5

(04-2006)

(PRES. BY NWS Instruction 10-924)

U.S. DEPARTMENT OF COMMERCE

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NATIONAL WEATHER SERVICE

HYDROLOGIC SERVICE AREA (HSA)

San Angelo, TX

MONTHLY REPORT OF HYDROLOGIC CONDITIONS

REPORT FOR:

MONTH

YEAR

May

2010

TO: Hydrologic Information Center, W/OS31
NOAA's National Weather Service
1325 East West Highway
Silver Spring, MD 20910-3283

SIGNATURE

Jason Johnson

DATE

June 24, 2010

When no flooding occurs, include miscellaneous river conditions below the small box, such as significant rises, record low stages, ice conditions, snow cover, droughts, and hydrologic products issued (NWS Instruction 10-924).

☒ An X inside this box indicates that no flooding occurred within this hydrologic service area.

Most areas across the San Angelo hydrologic service area (HSA) received half an inch or more rain during the month of May. However, most areas received less than 75% of normal rainfall for the month. A few scattered locations received more than five inches of rain. These areas received localized flooding.

A couple of notable flood events occurred during the 24th through 25th of the month. With a very moist airmass over central Texas, thunderstorms and scattered showers developed the evening of the 24th. Over Mason County, thunderstorms produced very heavy rain showers from the towns of Mason to Katemcy. In less than six hours, Mason received over five inches of rain and Katemcy received over seven inches of rain. In Mason, Comanche Creek and other drainages quickly filled and flooded low lying areas. A couple of homes along Comanche Creek on Balsam Street were surrounded by water. Water scoured several sections of Balsam Street. Additional low lying areas on the west side of town near the Mason schools were flooded from three to four inches of heavy rain. In Katemcy, heavy rain caused flooding along Katemcy Creek and a tributary to the creek that crosses FM 1222. The eastern half of the watershed to the creeks is rolling granite terrain. The rain quickly ran off the granite and into the creeks, flooding rural roads, bridges and a home. Water overtopped the bridge at FM 1222 and flooded one home on Katemcy Road. The home owner reported a couple of inches of water in the house. The flood waters travelled north into McCulloch County toward the San Saba River. A county road bridge (Co. Rd 216) in McCulloch County was damaged by the flood waters.

Also on the 24th, heavy rain showers developed around 6 pm in northern Edwards County over the headwaters of the South Llano River. From 6 pm to 2 am on the 25th, over eight inches of rain fell in northern Edwards County. Much of the runoff from this rain made it to the South Llano River. By 9 am on the 25th, the flood waters began to arrive at Telegraph. The staff gage on the South Llano River at Telegraph began to rise from 2 feet at 9 am, to a crest of just over 18 feet by 11:30 am. The South Llano River State Park reported that the flood waters began to arrive at the park's low water crossing entrance around 1:11 pm. By 1:30 pm, the water was over the road and measured 6 feet on the staff gage. The park officials estimated that the river crested around 5 pm at about 16 feet. The flood waters continued downstream to the confluence with the North Llano River and arrived at the Llano River streamgage (JNCT2) starting around 4 pm. The river at JNCT2 climbed from about 2 feet at 3:45 pm to a crest of 13.2 feet (18,350 cfs) at 6:30 PM.

The average precipitation reported from coop observers in May was 2.25 inches. The highest monthly precipitation total of 7.29 inches was reported in Mason County. Coop observers in Callahan, Coke, Coleman, Concho, Mason and Taylor Counties received over 3.00 inches of rain in May.

The San Angelo Regional Airport received 1.42 inches of rain during May, which was 1.67 inches below normal for the month. The monthly normal rainfall for San Angelo in May is 3.09 inches.

The Abilene Regional Airport received 3.60 inches of precipitation during May, which was 0.77 of an inch above normal for the month. The monthly normal rainfall for Abilene in May is 2.83 inches.

Junction received 2.42 inches of rain during May. The estimated average monthly rainfall in May is about 3.25 to 3.50 inches.

Coop Observer Rainfall Totals for May, 2010:

Station Name	Amount (in)		Station Name	Amount (in)
Acton Ranch	1.95		Mertzon 12WNW	1.40
Albany	2.92		Ozona 22SE	0.57
Anson	0.85		Paint Rock	3.19
Ballinger 2NW	1.82		Putnam	3.27
Brady	2.60		Red Bluff Crossing	2.42
Brownwood	1.28		Roscoe	1.19
Coleman	1.58		Rotan	2.80
Concho Park	1.34		San Angelo WFO	1.36
Eden	1.63		San Saba 7NW	1.75
Eldorado	0.82		Santa Anna 12SSE	2.61
Eldorado 10W	0.38		Silver Valley	2.73
Fort Griffin	2.99		Stamford	1.73
Fort McKavett	0.62		Sterling City	1.64
Glen Cove 2NE	3.03		Taylor Ranch	2.94
Hamlin	2.34		Throckmorton 7NE	2.17
Haskell	2.94		Water Valley	2.29
Humble Pump	1.54		Water Valley 11NE	2.99
Junction 4SSW	1.44		Winters	2.06
Lawn	3.51		Woodson	3.97
Mason	7.29		(M) <i>Missing data</i>	
Menard	2.16		(T) <i>Trace</i>	

Reservoir Conditions (end of May, 2010)

Reservoir	Conservation Capacity (Ac-Ft)	End of Month Capacity (Ac-Ft)	Percent of Capacity (%)
Fort Phantom Hill	70,030	56,560	81
Lake Stamford	52,700	51,570	100
Hubbard Creek Lake	317,800	217,900	69
Hords Creek Lake	8,800	3,670	45
Lake Brownwood	131,428	101,440	77
E.V. Spence	488,760	26,380	5
O.C. Fisher	119,200	3,580	3
O.H. Ivie	554,340	233,510	42
Twin Buttes	177,800	49,130	28

Hydro Products Issued

FFA = 4

FFW = 3

FFS = 5

FLS = 32 (Urban/Small Stream Advisory)

FLW = 1 (Aerial Flood Warning)

FLS = 1 (Aerial Flood Statement)

ESF = 2 (Probabilistic Forecasts)

The NWS precipitation analysis can be viewed at <http://water.weather.gov/>.

The total monthly precipitation estimate and percent of normal precipitation for May across the San Angelo HSA is depicted below.

